

Appln. No. 09/276,233
Response filed May 15, 2006
replying to Office Communication of Mar. 15, 2006

PATENT
Customer No. 22,852
Attorney Docket No. 7451.0011-01
Intertrust Ref. No.: IT-17 (US)

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A streaming media player providing content protection and digital rights management, including:

a port configured to receive a digital bit stream, the digital bit stream including:

content which is encrypted at least in part, and

a secure container including control information for controlling use of the content, including at least one key suitable for decryption of at least a portion of the content; and

a control arrangement including:

means for opening secure containers and extracting cryptographic keys, and means for decrypting the encrypted portion of the content, and

means for managing access to, or use of, said content in accordance with said control information.

2. (Original) The player of Claim 1 in which the digital bit stream includes at least two substreams which have been muxed together, at least one of the sub-streams including compressed information, and

wherein the player further includes:

a demux designed to separate and route the sub-streams;

a decompression unit configured to decompress at least one of the sub-streams, the decompression unit and the demux being connected by a pathway for the transmission of information; and

a rendering unit designed to process decompressed content information for rendering.

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3. (Original) The player of Claim 2, further including:

a stream controller operatively connected to the decompression unit, the stream controller including decryption functionality configured to decrypt at least a portion of a sub-stream and pass the decrypted sub-stream to the decompression unit.

4. (Original) The player of Claim 3, further including:

a path between the control arrangement and the stream controller to enable the control arrangement to pass at least one key to the stream controller for use with the stream controller's decryption functionality.

5. (Original) The player of Claim 4, further including:

a feedback path from the rendering unit to the control arrangement to allow the control arrangement to receive information from the rendering unit regarding the identification of objects which are to be rendered or have been rendered.

6. (Original) The player of Claim 1, wherein the digital bit stream is encoded in MPEG-4 format.

7. (Original) The player of Claim 1, wherein the digital bit stream is encoded in MP3 format.

8. (Withdrawn) The player of Claim 4, wherein the control arrangement contains a rule or rule set associated with governance of at least one sub-stream or object.

9. (Withdrawn) The player of Claim 8, wherein the rule or rule set is delivered from an external source.

10. (Withdrawn) The player of Claim 9, wherein the rule or rule set is delivered as part of the digital bit stream.

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11. (Withdrawn) The player of Claim 8, wherein the rule or rule set specifies conditions under which the governed sub-stream or object may be decrypted.
12. (Withdrawn) The player of Claim 8, wherein the rule or rule set governs at least one aspect of access to or use of the governed sub-stream or object.
13. (Withdrawn) The player of Claim 12, wherein the governed aspect includes making copies of the governed sub-stream or object.
14. (Withdrawn) The player of Claim 12, wherein the governed aspect includes transmitting the governed sub-stream or object through a digital output port.
15. (Withdrawn) The player of Claim 14, wherein the rule or rule set specifies that the governed sub-stream or object can be transferred to a second device, but rendering of the governed sub-stream or object must be disabled in the first device prior to or during the transfer.
16. (Withdrawn) The player of Claim 15, wherein the second device includes rendering capability, lacks at least one feature present in the streaming media player, and is at least somewhat more portable than the streaming media player.
17. (Withdrawn) The player of Claim 11, wherein the control arrangement contains at least two rules governing access to or use of the same governed sub-stream or object.
18. (Withdrawn) The player of Claim 17, wherein a first of the two rules was supplied by a first entity, and the second of the two rules was supplied by a second entity.
19. (Withdrawn) The player of Claim 18, wherein the first rule controls at least one aspect of operation of the second rule.

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20. (Withdrawn) The player of Claim 12, wherein the governed aspect includes use of at least one budget.
21. (Withdrawn) The player of Claim 12, wherein the governed aspect includes a requirement that audit information be provided.
22. (Original) The player of Claim 1, wherein the control arrangement includes tamper resistance.
23. (Withdrawn) A digital bit stream including:
content information that is compressed and at least in part encrypted; and
a secure container including
governance information for the governance of at least one aspect of access to or use of at least a portion of the content information; and
a key for decryption of at least a portion of the encrypted content information.
24. (Withdrawn) The digital bit stream of Claim 23, wherein the content information is encoded in MPEG-4 format.
25. (Withdrawn) The digital bit stream of Claim 23, wherein the content information is encoded in MP3 format.
26. (Canceled)
27. (New) The player of Claim 2, wherein the digital bit stream is encoded in MPEG-4 format.
28. (New) The player of Claim 2, wherein the digital bit stream is encoded in MP3 format.
29. (New) The player of Claim 22 in which the digital bit stream includes at least two

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PATENT
Customer No. 22,852
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substreams which have been muxed together, at least one of the sub-streams including compressed information, and

wherein the player further includes:

a demux designed to separate and route the sub-streams;

a decompression unit configured to decompress at least one of the sub-streams, the decompression unit and the demux being connected by a pathway for the transmission of information; and

a rendering unit designed to process decompressed content information for rendering.

30. (New) The player of Claim 29, further including:

a stream controller operatively connected to the decompression unit, the stream controller including decryption functionality configured to decrypt at least a portion of a sub-stream and pass the decrypted sub-stream to the decompression unit.

31. (New) The player of Claim 30, further including:

a path between the control arrangement and the stream controller to enable the control arrangement to pass at least one key to the stream controller for use with the stream controller's decryption functionality.

32. (New) The player of Claim 31, further including:

a feedback path from the rendering unit to the control arrangement to allow the control arrangement to receive information from the rendering unit regarding the identification of objects which are to be rendered or have been rendered.

33. (New) The player of Claim 22, wherein the digital bit stream is encoded in MPEG-4 format.

34. (New) The player of Claim 22, wherein the digital bit stream is encoded in MP3 format.

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35. (New) The player of claim 1, wherein the control arrangement further includes means for disabling rendering of the content in a first device prior to or during transfer of the content to a second device.
36. (New) The player of Claim 35 in which the digital bit stream includes at least two substreams which have been muxed together, at least one of the sub-streams including compressed information, and
wherein the player further includes:
a demux designed to separate and route the sub-streams;
a decompression unit configured to decompress at least one of the sub-streams, the decompression unit and the demux being connected by a pathway for the transmission of information; and
a rendering unit designed to process decompressed content information for rendering.
37. (New) The player of Claim 36, further including:
a stream controller operatively connected to the decompression unit, the stream controller including decryption functionality configured to decrypt at least a portion of a sub-stream and pass the decrypted sub-stream to the decompression unit.
38. (New) The player of Claim 37, further including:
a path between the control arrangement and the stream controller to enable the control arrangement to pass at least one key to the stream controller for use with the stream controller's decryption functionality.
39. (New) The player of Claim 38, further including:
a feedback path from the rendering unit to the control arrangement to allow the control arrangement to receive information from the rendering unit regarding the identification of objects which are to be rendered or have been rendered.

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40. (New) The player of Claim 35, wherein the digital bit stream is encoded in MPEG-4 format.

41. (New) The player of Claim 35, wherein the digital bit stream is encoded in MP3 format.

42. (New) The player of Claim 35, wherein the control arrangement includes tamper resistance.

43. (New) The player of Claim 2, wherein the control arrangement includes tamper resistance.

44. (New) The player of Claim 3, wherein the control arrangement includes tamper resistance.